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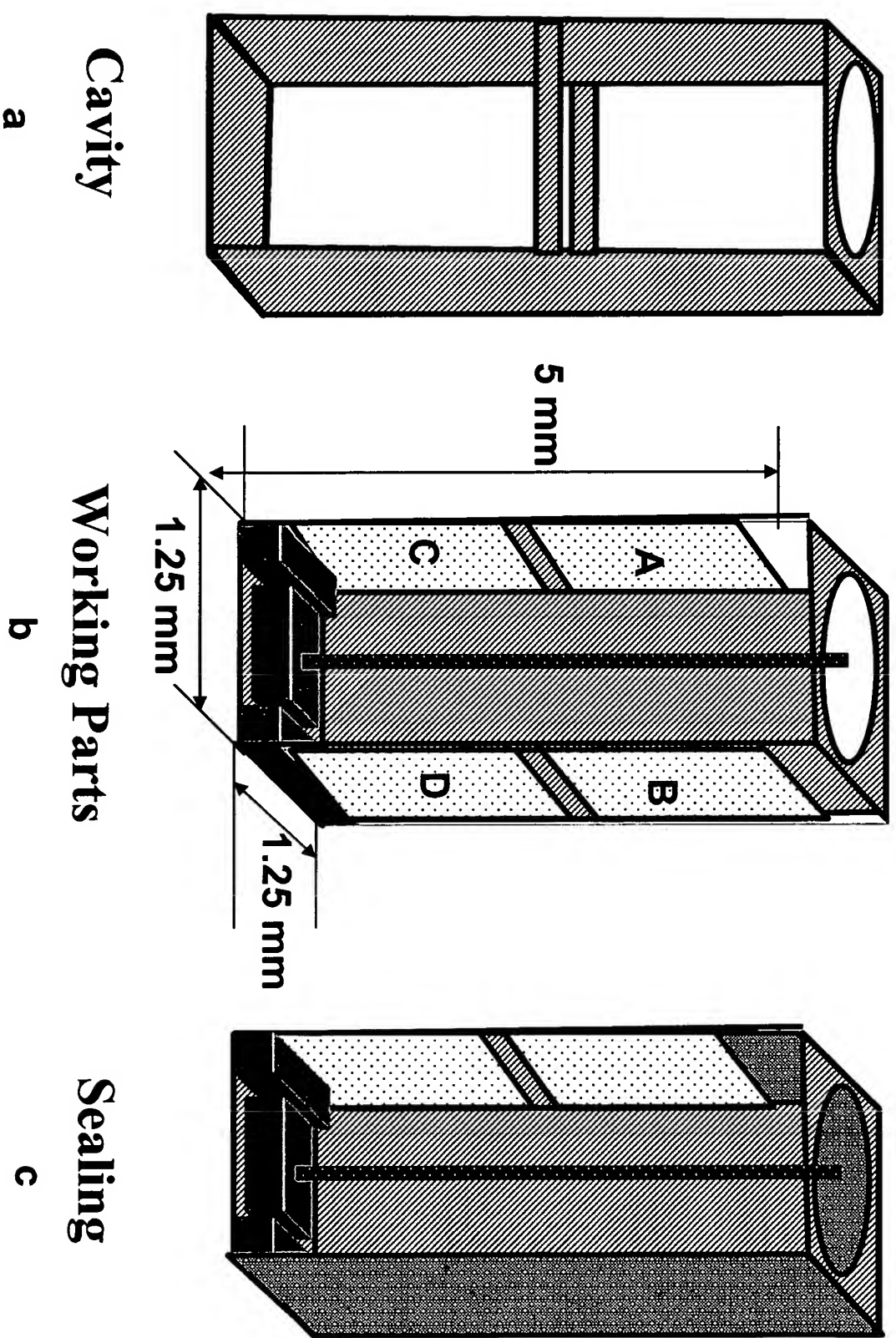
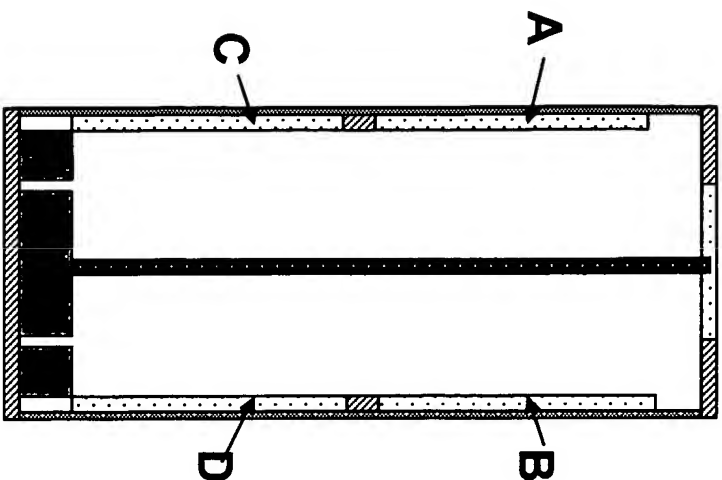


Figure 1. (a) (b) (c). The schematic of the steps to construct a SSH Braille cell and its working configurations.

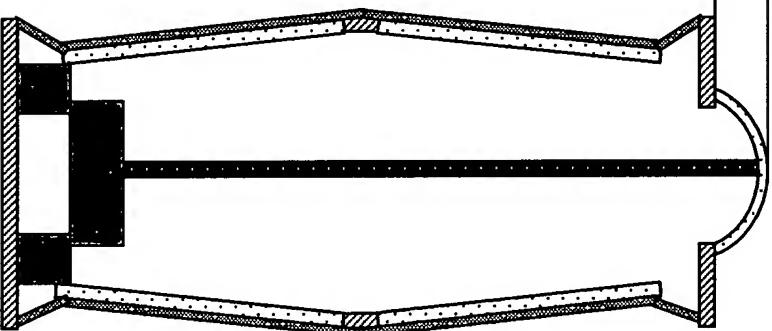
Figure 2. The working sequence of the hydraulic and latching system in Braille cell.

Initial Position

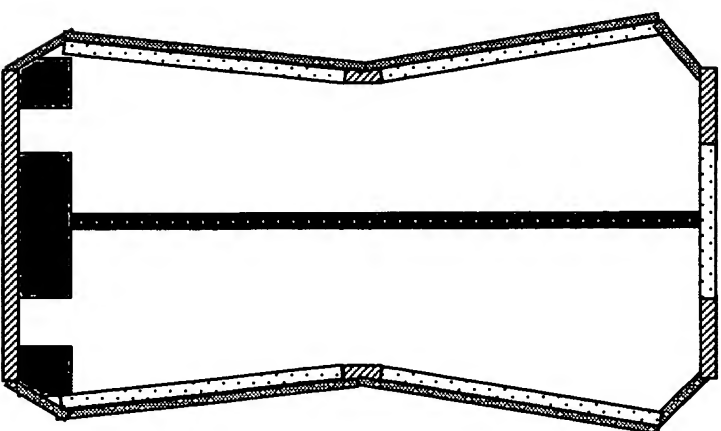


0.7 mm

Step 1



Step 2



Microelectrodes on PVDF

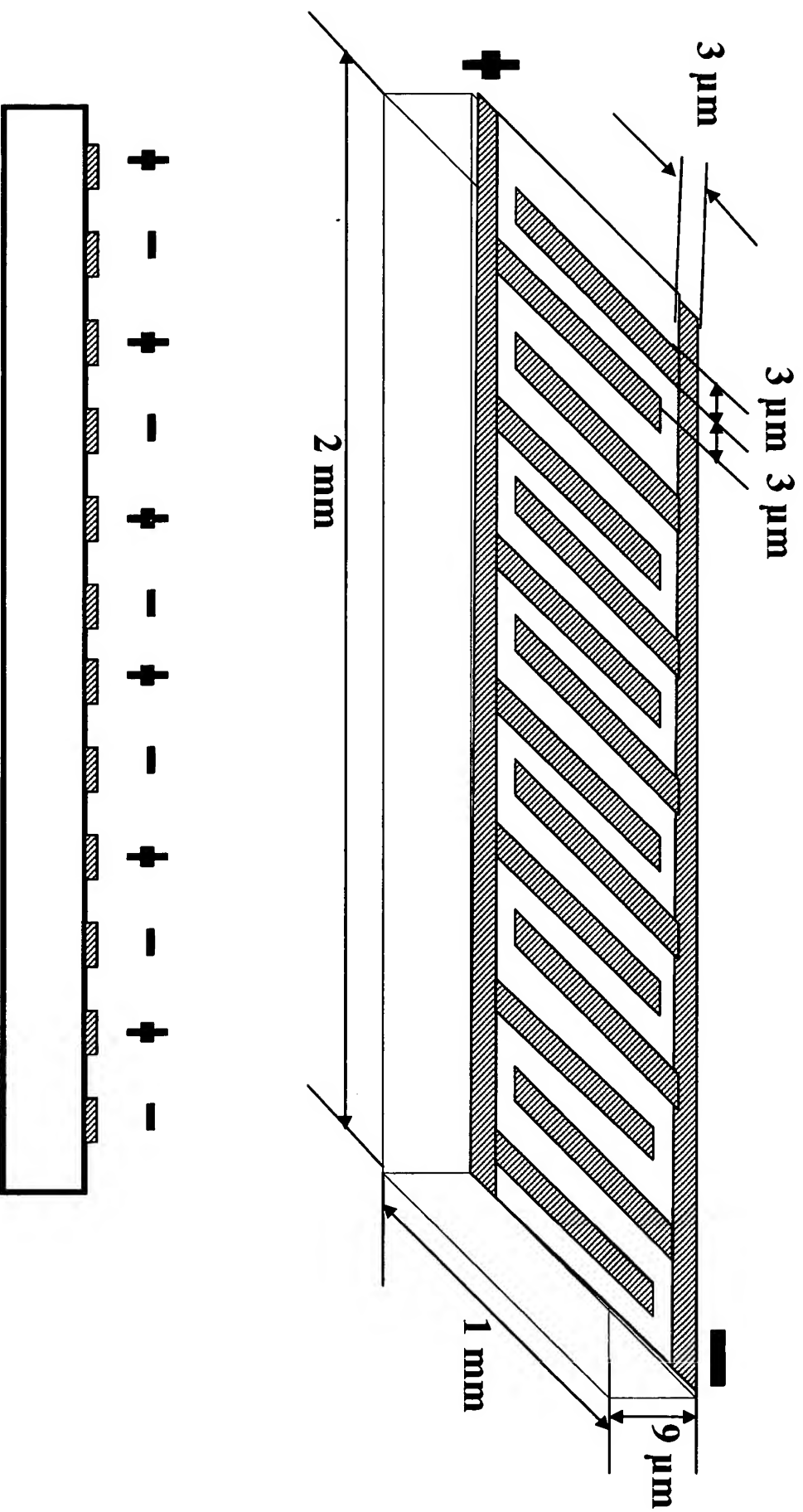


Figure 3. An array of micro electrodes made on the PVDF polymer thin film.

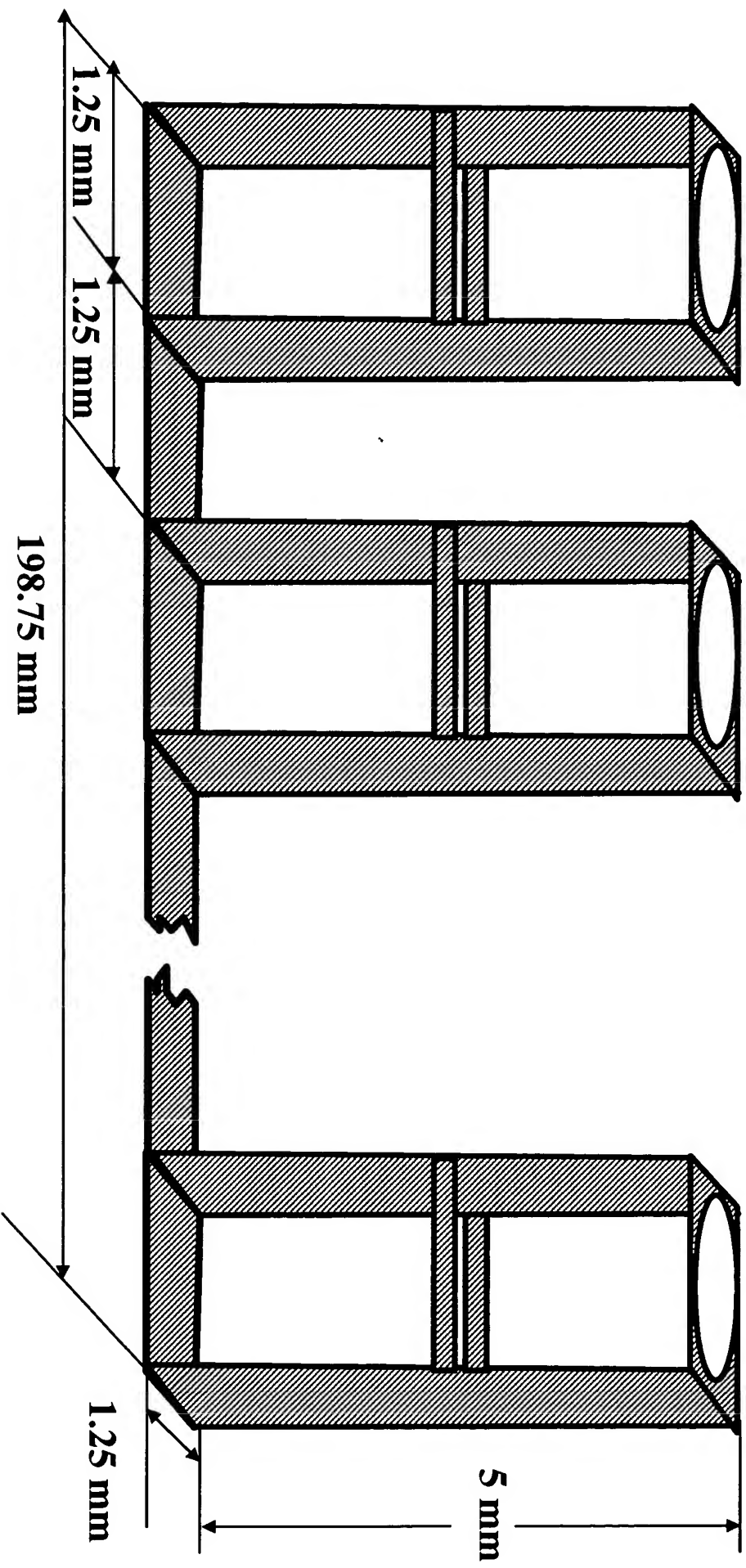


Figure 4. An single row of cavities

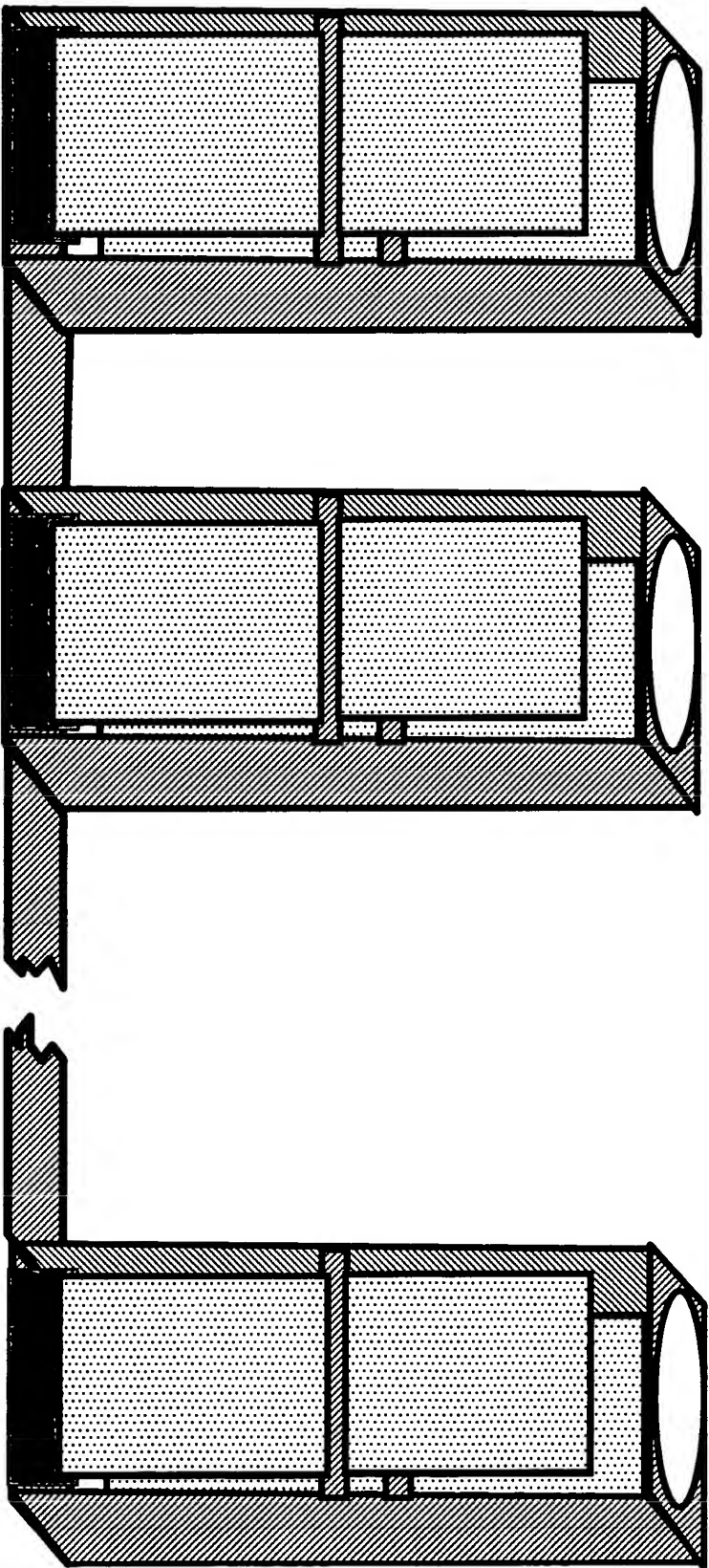


Figure 5. An single row of cavities with bending elements working at two sides

Figure 6. An single row of cavities with membranes and supporting rod sealing at top.

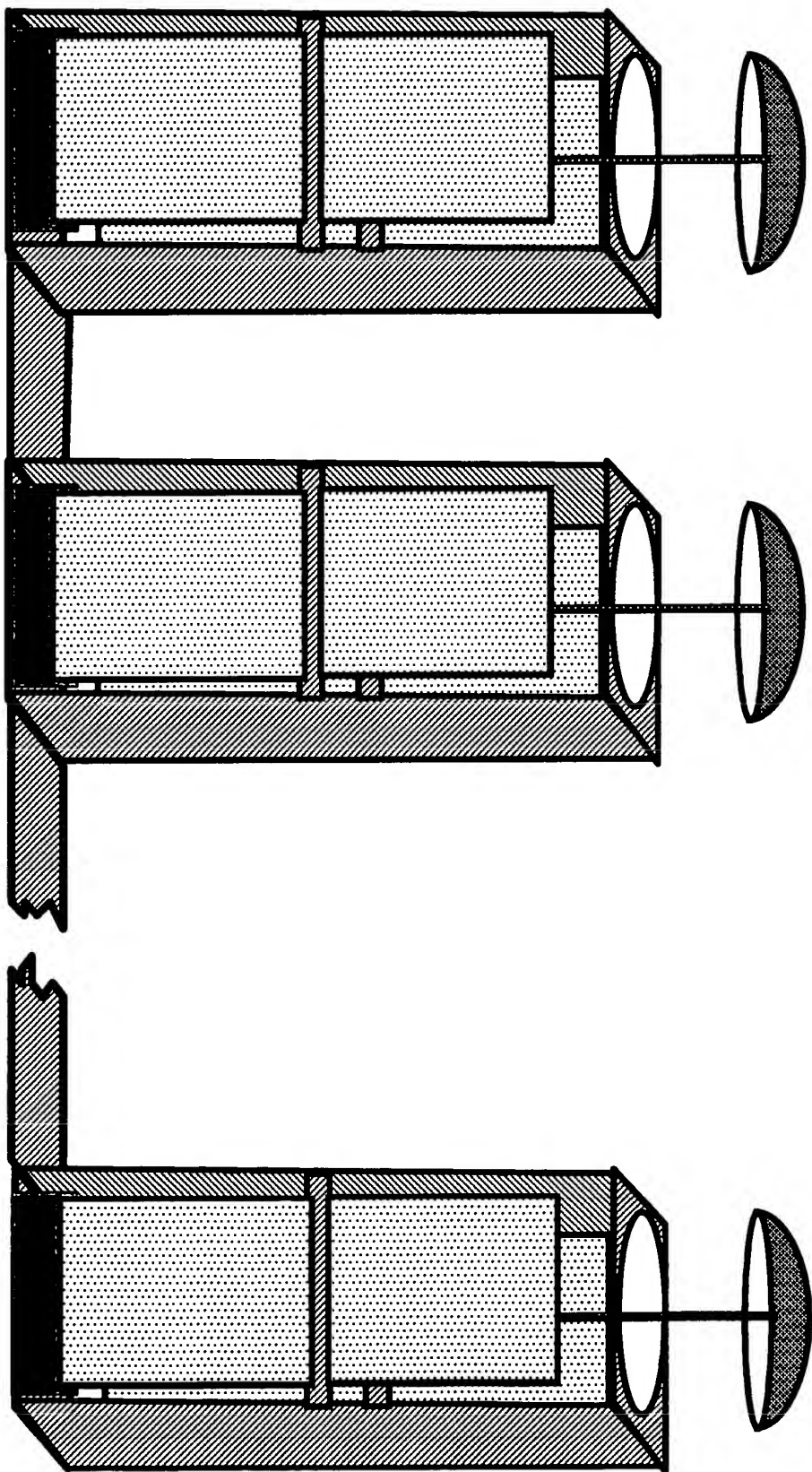


Figure 7. A multi-line or full page Braille display made by adding single row of working units into an array of Braille dots.

